Release B CDR RID Report

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Document Data Server: Compression

Phone No

RID ID	CDR	48
Review	Release B CDR	
Originator Ref		
Priority	2	

Section	**Page**	**Figure Table**

Category Name System Modeling/Sizing

Sub Category

Actionee ECS

Subject Data Server Design Impact: frequent use of data compression for distribution

Description of Problem or Suggestion:

It is not clear that the data server hardware sizing includes the CPU and memory requirements resulting from frequent use of the UNIX compression option in the data distribution service. This can be a very CPU intensive process which can affect the overall performance of the data server.

Originator's Recommendation

Analyze the impact of frequent use of compression option of data distribution service on the data server hardware design.

GSFC Response by: **GSFC Response Date**

HAIS Response by: G. Mellis   **HAIS Schedule**

HAIS R. E.   M . Armstrong   **HAIS Response Date**   7/12/96

Per originator's recommendation for RID 48, an analysis was was performed and completed to identify CPU and memory loading impacts on the DSS hardware resulting from the frequent use of data compression. The additional loads required by this data distribution service will be incorporated into the DSS hardware design. These incorporations were accounted for in the ECS COTS Affordability Tiger Team analysis.

Status   **Closed**   **Date Closed**   **7/17/96**   **Sponsor**   **Daly**

****** Attachment if any ******